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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

1. (Currently amended): A method for intercepting data exchanged by remote

terminals (Tij-k), via a communications network, said data including in the form of control

packets formatted according to a first real-time data transfer control protocol and associated with

data previously exchanged by the-said terminals, characterised in that it comprises a step in

which the method comprising:

i) in the case of transfer of data packets between at least two remote terminals (Tij-k),

intercepting at least certain of the said data packets of a transfer between at least two remote

terminals, are intercepted during the said transfer, so as to determine those which of said data

packets are control packets, said control packets are being formatted according to the said first

protocol; then

ii)-duplicating at least part of each of said control packetspacket thus formatted, referred

to as a "control packet", is duplicated,; and

iii) communicating data representing the said duplicated part of each of said control

packets are communicated to a control application (1) located in the said network, so that it

deduces said control application deducing therefrom information on the said transfer from said

communicated data.

2. (Currently amended): A-The method according to Claim 1, characterised in that

wherein all the control packets of said transfer between at least two remote terminals transferred

are intercepted.

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3. (Currently amended): A-The method according to Claim 1, characterised in that wherein the control packets are sampled so as to intercept only one sample from amongst n, n being a chosen integer value.

- 4. (Currently amended): A-The method according to Claim 1, characterised in that wherein determination of the formatting according to the first protocol concerns the determination, amongst the packets, of those in which at least a network address field for the terminal which sent the packet, a network address field for the destination terminal of the packet, a destination port field and/or a source port field, and a protocol number field have chosen values.
- 5. (Currently amended): A-The method according to Claim 4, characterised in that the wherein said chosen values are communicated by an application and/or an item of equipment in the network.
- 6. (Currently amended): A-<u>The</u> method according to Claim 1, characterised in that, further comprising:

between <u>said intercepting interception</u> and <u>said duplicating duplication</u>, a <u>comparison is</u>

performed performing a comparison between a chosen threshold value and the value of a service information field contained in the intercepted control packet;

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wherein said duplicating comprises in order to duplicate duplicating only the part at least of the control packet in which the service information field has a value substantially greater than the said chosen threshold value.

7. (Currently amended): A-The method according to Claim 1 Claim 6, characterised in that further comprising:

between said intercepting and said duplicating, performing a comparison between a chosen threshold value and the value of a service information field contained in the intercepted control packet;

wherein the whole of each intercepted control packet, formatted according to the first protocol and in which the service information field has a value substantially greater than the said chosen threshold value, is duplicated, and in that the whole of the said duplicated control packet is communicated.

8. (Currently amended): A-The method according to Claim 6, characterised in that further comprising:

between said intercepting and said duplicating, performing a comparison between a chosen threshold value and the value of a service information field contained in the intercepted control packet;

wherein certain chosen fields contained in each intercepted control packet, formatted according to the first protocol and in which the service information field has a value substantially greater than the said chosen threshold value, are duplicated, and in that the said duplicated chosen fields are communicated.

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9. (Currently amended): A-The method according to Claim 8, characterised in that wherein one of the duplicated and communicated chosen fields is the said service information

field.

10. (Currently amended): A-The method according to Claim 8, characterised in that the wherein said service information field is also duplicated, and in that information data representing the said duplicated service information field are communicated with the other said duplicated chosen fields.

- 11. (Currently amended): A-The method according to Claim 1, characterised in that wherein certain chosen fields contained in each intercepted control packet, formatted according to the first protocol, including at least a service information field, are duplicated.
- 12. (Currently amended): A-The method according to Claim 11, characterised in that wherein information data representing the said duplicated service information field are communicated with the other duplicated fields.

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- 13. (Currently amended): A-The method according to Claim 6, characterised in that wherein the service information field comprises data representing the a quality of service.
- 14. (Currently amended): A-<u>The</u> method according to Claim 4, characterised in that wherein:

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certain chosen fields contained in each intercepted control packet, formatted according to the first protocol and in which the service information field has a value substantially greater than the said threshold value, are duplicated, and in that the said duplicated fields are communicated; and

in that the said detected network address field for the terminal which sent the packet, the said detected network address field for the destination terminal of the packet, the said detected destination port field, and the said detected protocol number field are duplicated.

- 15. (Currently amended): A-The method according to Claim 1, characterised in that wherein the whole of each intercepted control packet, formatted according to the first protocol, is duplicated.
- 16. (Currently amended): A device for intercepting data exchanged by remote terminals (Tij-k), via a communications network, said data including in the form of packets formatted according to a first real-time data transfer control protocol and associated with data previously exchanged by the said terminals, characterised in that it comprises the device comprising:

interception means (2) suitable, in the case of transfer of data packets between at least two remote terminals (Tij-k), for intercepting at least certain of the said data packets of a transfer between at least two remote terminals, during the said transfer, and for determining amongst the intercepted data packets those which of said data packets are control packets, said control packets are being formatted according to the said first protocol, referred to as "control packets", and

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management means (3) suitable for duplicating at least part of each of said intercepted control packets packet, and for generating data representing the said duplicated part of each of said control packets, intended to be communicated to control means (1)-located in a control

application (S) of the said network.

17. (Currently amended): A-<u>The</u> device according to Claim 16, characterised in that the wherein said interception means (2) are organised for intercepting intercept all the control

packets transferred with a view to determining their format.

18. (Currently amended): A-The device according to Claim 17, eharacterised in that

the wherein said interception means (2) are organised for sampling sample the control packets in

the process of being transferred, and for intercepting intercept only one sample from amongst n,

n being a chosen integer value, with a view to determining its format.

19. (Currently amended): A-The device according to Claim 16, characterised in that

the wherein said interception means (2) are organised for i) detecting

detect from amongst the packets those in which at least a network address field for the

terminal which sent the packet, a network address field for the destination terminal of the packet,

a destination port field and/or a source port field, and a protocol number field have chosen

values;; and

ii) retaining retain the packets having the said chosen values, these packets then being

referred to as intercepted control packets.

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20. (Currently amended): A-The device according to Claim 19, characterised in that wherein the said interception means (2) are organised organized for receiving the said chosen values from at least one of an application and/or and from an item of equipment in the network.

- 21. (Currently amended): A-The device according to Claim 16, characterised in that wherein the said interception means (2) are organised organized for detecting a service information field contained in each intercepted control packet, and for performing, between interception and duplication, a comparison between a stored chosen threshold value and the value of the detected service information field, so that the management means (3) duplicate only the part at least of the control packet in which the service information field has a value substantially greater than the said threshold value.
- 22. (Currently amended): A-The device according to Claim 21, characterised in that wherein the said interception means (2) are organised organized for communicating to the said management means (3) the whole of each intercepted control packet in which the service information field has a value substantially greater than the said threshold value, and in that the said management means (3) are organised organized for duplicating the whole of each intercepted control packet received, and communicating to the said control means the whole of the said duplicated control packet.
- 23. (Currently amended): A-The device according to Claim 21, characterised in that wherein the said interception means (2) are organized for communicating to the said management means (3) certain chosen fields contained in each intercepted control packet in

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which the service information field has a value substantially greater than the said threshold value, and in that the said management means (3) are organised organized for duplicating the said chosen fields of each intercepted control packet received and communicating the said duplicated fields to the said control means.

- 24. (Currently amended): A-The device according to Claim 23, characterised in that wherein one of the duplicated and communicated fields is the said service information field.
- 25. (Currently amended): A-The device according to Claim 23, characterised in that wherein the said interception means (2) are organized for communicating the said service information field to the said management means (3), and in that the said management means (3) are organized for duplicating the said service information field and communicating, with the other duplicated fields, information data representing the said duplicated service information field.
- 26. (Currently amended): A-The device according to Claim 16, characterised in that wherein the said management means (3) are organised organized for duplicating certain chosen fields contained in each intercepted control packet, formatted according to the first protocol, including at least a service information field.
- 27. (Currently amended): A-The device according to Claim 23, eharacterised in that wherein the said management means (3) are organized for communicating information

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data, representing the said duplicated service information field, in addition to the other duplicated fields.

28. (Currently amended): A-The device according to Claim 21, characterised in that wherein the service information field comprises data representing the quality of service.

29. (Currently amended): A-The device according to Claim 19, characterised in that wherein said interception means are organised organized for detecting a service information field contained in each intercepted control packet, and for performing, between interception and duplication, a comparison between a stored chosen threshold value and the value of the detected service information field, so that the management means (3)-duplicate only the part at least of the control packet in which the service information field has a value substantially greater than the said threshold value; and

in that the said management means (3) are organized organized for duplicating the said network address field for the terminal which sent the intercepted packet, the said network address field for the destination terminal of the intercepted control packet, the said destination port field and the said protocol number field, and for communicating the said duplicated fields to the control means (1).

30. (Currently amended): A-The device according to Claim 16, eharacterised in that wherein the said management means (3) are organised organized for duplicating the whole of each intercepted control packet, formatted according to the first protocol, and for communicating to the said control means (1) the whole of the said duplicated control packet.

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31. (Currently amended): A-The device according to Claim 16, characterised in that wherein the said interception means (2) are located in at least one of the items of network equipment through which the streams intended for the said terminals flow.

- 32. (Currently amended): A-The device according to Claim 16, characterised in that wherein the said management means (3) are located in at least one of the items of equipment (RC-k; RPj-k) in the network to which the said terminals (Tij-k) are connected.
- 33. (Currently amended): A-The device according to Claim 31, characterised in that wherein the network equipment is chosen from a group comprising routers, NAT boxes, firewalls and traffic shapers.
- 34. (Currently amended): Use of the method and The device according to claim 16, wherein in networks chosen from amongst said network is at least one of a public and a private network-networks.
- 35. (Currently amended): Use The device according to Claim 34, characterised in that wherein the said network is the Internet.
- 36. (Currently amended): <u>Use The device according to Claim 34</u>, <u>characterised in that-wherein</u> the first protocol is called RTCP, and is associated with a real-time data transfer protocol called RTP.

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37. (Currently amended): Use-The device according to Claim 34, characterised in that-wherein the duplicated data are communicated according to a protocol chosen from a group comprising the COPS and SNMP protocols, and the encapsulation protocols.

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